

What is Claimed is:

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1. An implosion proof structure in a flat cathode ray tube having a panel the atmospheric pressure exerts thereto as the flat cathode ray tube is evacuated, comprising:

5 implosion proof means strapped or coated on an outer circumferential surface of a funnel in the vicinity of the panel.

2. An implosion proof structure as claimed in claim 1, wherein the implosion proof means has a strapping tension in a range of 600 ~ 3000kgf.

10 3. An implosion proof structure as claimed in claim 1, wherein the outer circumferential surface of the funnel the implosion proof means is strapped or coated thereto includes a flat portion perpendicular to the panel.

4. An implosion proof structure as claimed in claim 1 or 2, wherein the implosion proof means is a band with a required yield strength.

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15 5. An implosion proof structure as claimed in claim 3, wherein the outer circumferential surface of the funnel perpendicular to the panel has a width larger than a width of the band, the implosion proof means.

6. An implosion proof structure as claimed in claim 5, wherein a width of the flat portion of the funnel the band is strapped thereto is set to be equal to, or greater than 16mm.

7. An implosion proof structure as claimed in claim 1 or 2, wherein the implosion proof means is a wire with a required yield strength.

8. An implosion proof structure as claimed in claim 7, wherein the wire has a radius greater than 2.5mm.

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9. An implosion proof structure as claimed in claim 1 or 2, wherein the implosion proof means is a coat of hardening adhesive with a required yield strength after hardened.

10. An implosion proof structure as claimed in claim 9, wherein the hardening adhesive has a thickness $t \geq Ta/(\sigma \times W)$.

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11. An implosion proof structure as claimed in claim 9, wherein the hardening adhesive has a width $W \geq Ta/(p \times R)$.

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12. An implosion proof structure as claimed in claim 9, wherein the hardening adhesive is formed of a material having a difference of thermal expansion/contraction coefficients between the hardening adhesive after hardened and the funnel to be below approx. $5 \times 10^{-7}/^{\circ}\text{C}$.

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13. An implosion proof structure as claimed in claim 9, wherein the hardening adhesive is formed of a ceramic.

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14. An implosion proof structure as claimed in claim 13, wherein the ceramic adhesive has

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a difference of thermal expansion/contraction coefficients between the ceramic adhesive after hardened and the funnel to be below approx. $\pm 5 \times 10^{-7} / ^\circ\text{C}$.